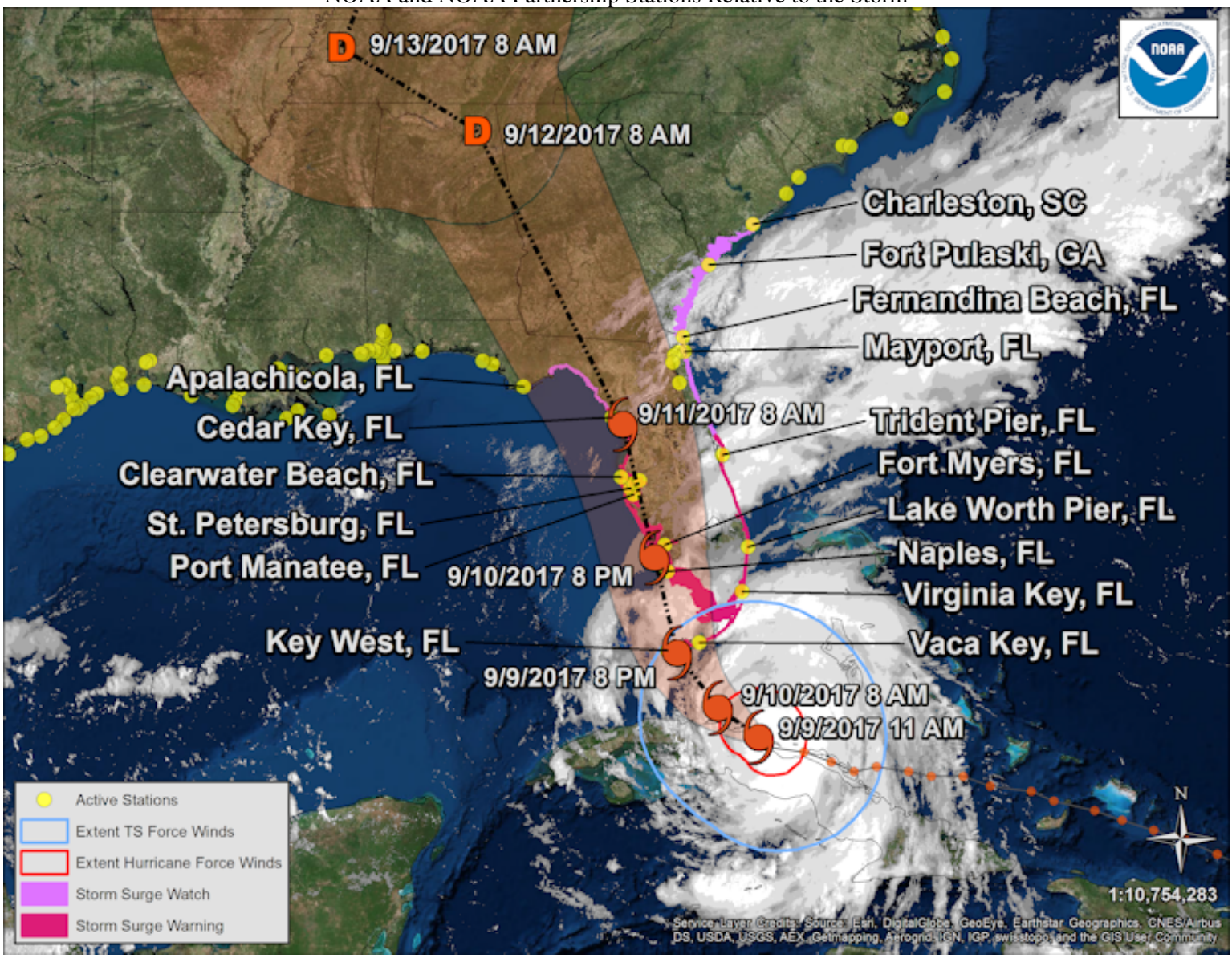
Hurricane IRMA QuickLook
Posted: 12:00 EDT 09/09/2017

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 09/09/2017 12:00 EDT, water levels along the Gulf Coast of Florida, within the Florida Keys and along the Atlantic Coast are presently within 1 foot of normal tide levels. Water levels within the Florida Keys and southeast Florida have begun to rise over the past several hours. Prior to IRMA, water levels along the coastlines of Florida, Georgia and South Carolina were up to 0.5 feet above normal tide levels.

Winds from Key West to Lake Worth Pier are beginning to increase and range from 15 to 35 knots with slightly higher gusts this morning. Barometric pressure is slowly falling across southern Florida and the Florida Keys.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the Center for Operational Oceanographic Products & Services website. For more information or archived products and reports, please see the Storm QuickLook Homepage.

Analyst: CMF

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

Hurricane Irma Advisory Number 42
NWS National Hurricane Center Miami FL AL112017
1100 AM EDT Sat Sep 09 2017

...IRMA CONTINUES TO POUND THE NORTH COAST OF CUBA...
...FORECAST TO RESTRENGTHEN WHILE HEADING FOR SOUTH FLORIDA AND THE KEYS...

SUMMARY OF 1100 AM EDT...1500 UTC...INFORMATION

LOCATION...22.8N 79.8W
ABOUT 90 MI...145 KM ESE OF VARADERO CUBA
ABOUT 175 MI...285 KM SE OF KEY WEST FLORIDA
MAXIMUM SUSTAINED WINDS...125 MPH...205 KM/H
PRESENT MOVEMENT...W OR 280 DEGREES AT 9 MPH...15 KM/H
MINIMUM CENTRAL PRESSURE...941 MB...27.79 INCHES

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY:

The Storm Surge Warning has been extended from Chassahowitzka to the Suwanee River.

The Storm Surge Watch has been extended from north of the Suwanee River to Ochlockonee River and from north of the Volusia/Brevard County line north to Isle of Palms, South Carolina.

The Hurricane Warning for the east coast of the United States has been extended northward to Fernandina Beach, and the Hurricane Watch has been extended from north of Fernandina Beach to Edisto Beach.

The Hurricane Warning for the Gulf of Mexico coast has been extended to the Aucilla River. The Hurricane Watch is now in effect from west of the Aucilla River to Indian Pass.

A Tropical Storm Watch has been issued from north of Edisto Beach to the South Santee River.

A Tropical Storm Watch has been issued from west of Indian Pass to the Okaloosa/Walton County Line.

The government of Cuba has extended the Hurricane Warning to the Havana province.

The government of the Bahamas has adjusted the Hurricane Warning to only include Andros Island, Bimini and Grand Bahama.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Storm Surge Warning is in effect for...
* Volusia/Brevard County line southward around the Florida peninsula to the Suwanee River
* Florida Keys
* Tampa Bay

A Storm Surge Watch is in effect for...
* North of the Volusia/Brevard County line to the Isle of Palms, South Carolina
* North of the Suwanee River to Ochlockonee River

A Hurricane Warning is in effect for...
* Fernandina Beach southward around the Florida peninsula to the Aucilla River
* Florida Keys
* Lake Okeechobee
* Florida Bay
* Cuban provinces of Camaguey, Ciego de Avila, Sancti Spiritus, Villa Clara, Matanzas, and Havana
* Andros Island, Bimini and Grand Bahama

A Hurricane Watch is in effect for...
* North of Fernandina Beach to Edisto Beach
* West of the Aucilla River to Indian Pass
* Cuban provinces of Holguin and Las Tunas

A Tropical Storm Warning is in effect for...
* Cuban provinces of Holguin, Las Tunas

A Tropical Storm Watch is in effect for...
* North of Edisto Beach to South Santee River
* West of Indian Pass to the Okaloosa/Walton County Line

A Storm Surge Warning means there is a danger of life-threatening inundation, from rising water moving inland from the coastline, during the next 36 hours in the indicated locations. For a depiction of areas at risk, please see the National Weather Service Storm Surge Watch/Warning Graphic, available at hurricanes.gov. This is a life-threatening situation. Persons located within these areas should take all necessary actions to protect life and property from rising water and the potential for other dangerous conditions. Promptly follow evacuation and other instructions from local officials.

A Storm Surge Watch means there is a possibility of life-threatening inundation, from rising water moving inland from the coastline, in the indicated locations during the next 48 hours. For a depiction of areas at risk, please see the National Weather Service Storm Surge Watch/Warning Graphic, available at hurricanes.gov.

A Hurricane Warning means that hurricane conditions are expected somewhere within the warning area. Preparations to protect life and property should be rushed to completion.

A Hurricane Watch means that hurricane conditions are possible within the watch area. A watch is typically issued 48 hours before the anticipated first occurrence of tropical-storm-force winds, conditions that make outside

preparations difficult or dangerous.

A Tropical Storm Warning means that tropical storm conditions are expected somewhere within the warning area.

A Tropical Storm Watch means that tropical storm conditions are possible within the watch area, generally within 48 hours.

Interests elsewhere in Cuba and the southeastern United States should monitor the progress of Irma.

For storm information specific to your area in the United States, including possible inland watches and warnings, please monitor products issued by your local National Weather Service forecast office. For storm information specific to your area outside the United States, please monitor products issued by your national meteorological service.

DISCUSSION AND 48-HOUR OUTLOOK

At 1100 AM EDT (1500 UTC), the eye of Hurricane Irma was located by a reconnaissance plane and radar near latitude 22.8 North, longitude 79.8 West. Irma is moving toward the west along the north coast of Cuba at near 9 mph (15 km/h). A northwest motion is expected to begin later today with a turn toward the north-northwest on Sunday. On the forecast track, the core of Irma will continue to move near or over the north coast of Cuba later today, and will reach the Florida Keys Sunday morning. The hurricane is expected to move along or near the southwest coast of Florida Sunday afternoon.

Maximum sustained winds are near 125 mph (205 km/h) with higher gusts. Irma is a category 3 hurricane on the Saffir-Simpson Hurricane Wind Scale. Irma is forecast to restrengthen once it moves away from Cuba, and Irma is expected to remain a powerful hurricane as it approaches Florida.

Hurricane-force winds extend outward up to 70 miles (110 km) from the center and tropical-storm-force winds extend outward up to 195 miles (315 km). Caibarien, Cuba recently reported a wind gust to 124 mph (200 km/h).

The minimum central pressure reported by an Air Force plane was 941 mb (27.79 inches).

HAZARDS AFFECTING LAND

STORM SURGE: The combination of a dangerous storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. The water is expected to reach the following HEIGHTS ABOVE GROUND if the peak surge occurs at the time of high tide...

Cape Sable to Captiva...10 to 15 ft
Captiva to Ana Maria Island...6 to 10 ft
Card Sound Bridge through Cape Sable, including the Florida Keys...5 to 10 ft
Ana Maria Island to Clearwater Beach, including Tampa Bay...5 to 8 ft
North Miami Beach to Card Sound Bridge, including Biscayne Bay...4 to 6 ft
Isle of Palms, South Carolina to Fernandina Beach...4 to 6 ft
Clearwater Beach to Ochlockonee River...4 to 6 ft
Fernandina Beach to North Miami Beach...2 to 4 ft

The deepest water will occur along the immediate coast in areas of onshore winds, where the surge will be accompanied by large and destructive waves. Surge-related flooding depends on the relative timing of the surge and the tidal cycle, and can vary greatly over short distances. For information specific to your area, please see products issued by your local National Weather Service forecast office.

The combination of a life-threatening storm surge and large breaking waves will raise water levels ABOVE NORMAL TIDE LEVELS by the following amounts within the hurricane warning area near and to the north of the center of Irma. Near the coast, the surge will be accompanied by large and destructive waves.

Ragged Island in the Bahamas...15 to 20 ft
Central and Northwestern Bahamas...3 to 6 ft
Northern coast of Cuba in the warning area...5 to 10 ft

WIND: Hurricane conditions are expected to continue within the hurricane warning area along the north coast of Cuba through today. Hurricane conditions are expected in portions of the northwestern Bahamas today, and in portions of the Florida peninsula and the Florida Keys tonight and Sunday.

Hurricane and tropical storm conditions are possible within the watch area on Sunday.

RAINFALL: Irma is expected to produce the following rain accumulations through Wednesday:
Northern Cuba...10 to 15 inches, isolated 20 inches.
Southern Cuba...5 to 10 inches, isolated 15 inches.
Western Bahamas...3 to 6 inches, isolated 10 inches.
The Florida Keys...10 to 20 inches, isolated 25 inches.
The Florida peninsula and southeast Georgia...8 to 15 inches, isolated 20 inches.
The eastern Florida Panhandle...3 to 6 inches, isolated 8 inches.
Rest of eastern Georgia, western South Carolina, and western North Carolina...4 to 8 inches.
Western Georgia, eastern and northern Alabama, and southern Tennessee...2 to 5 inches.
In all areas this rainfall may cause life-threatening flash floods and, in some areas, mudslides.

TORNADOES: A few tornadoes are possible today and tonight over southern Florida.

SURF: Swells generated by Irma are affecting the southeastern Bahamas, the Turks and Caicos Islands and the southeast coast of the United States today. These swells are likely to cause life-threatening surf and rip current conditions. Please consult products from your local weather office.

NEXT ADVISORY

Next intermediate advisory at 200 PM EDT.
Next complete advisory at 500 PM EDT.

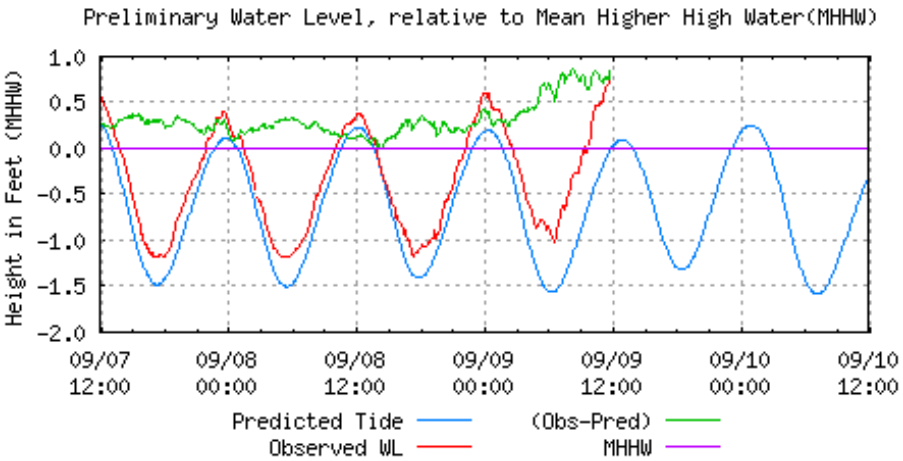
Forecaster Avila

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: Key West - Water Level, Key West - Winds, Key West - Barometric, Vaca Key, Florida Bay - Water Level, Vaca Key, Florida Bay - Winds, Vaca Key, Florida Bay - Barometric, Virginia Key, Biscayne Bay - Water Level, Virginia Key, Biscayne Bay - Winds, Virginia Key, Biscayne Bay - Barometric, Naples, Gulf of Mexico - Water Level, Naples, Gulf of Mexico - Winds, Naples, Gulf of Mexico - Barometric, Lake Worth Pier, Atlantic Ocean - Water Level, Lake Worth Pier, Atlantic Ocean - Winds, Fort Myers, Caloosahatchee River - Water Level, Fort Myers, Caloosahatchee River - Winds, Port Manatee - Water Level, Port Manatee - Barometric, St Petersburg, Tampa Bay - Water Level, St Petersburg, Tampa Bay - Winds, Clearwater Beach - Water Level, Clearwater Beach - Winds, Trident Pier, Port Canaveral - Water Level, Trident Pier, Port Canaveral - Winds, Cedar Key - Water Level, Cedar Key - Winds, Apalachicola - Water Level, Apalachicola - Winds, Mayport (Bar Pilots Dock) - Water Level,

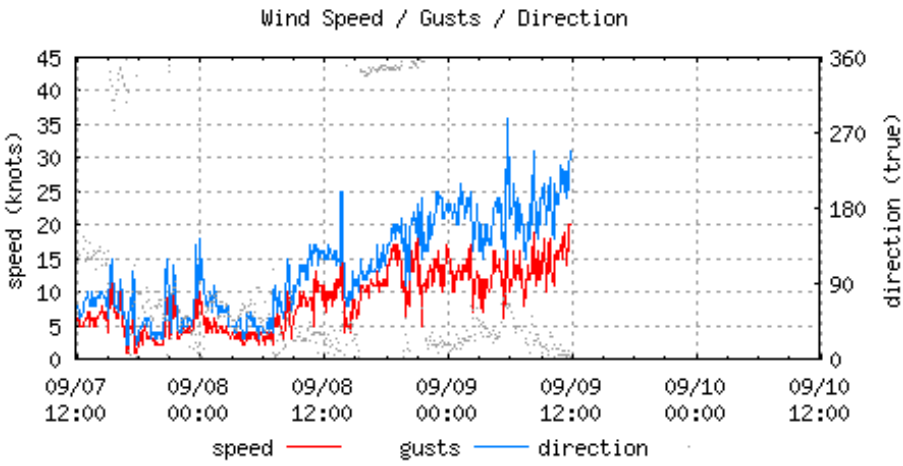
Mayport (Bar Pilots Dock) - Winds, Fernandina Beach - Water Level, Fernandina Beach - Winds, Fort Pulaski - Water Level, Fort Pulaski - Winds, Charleston, Cooper River Entrance - Water Level, Charleston, Cooper River Entrance - Winds

NOAA/NOS/CO-OPS 8724580 Key West, FL



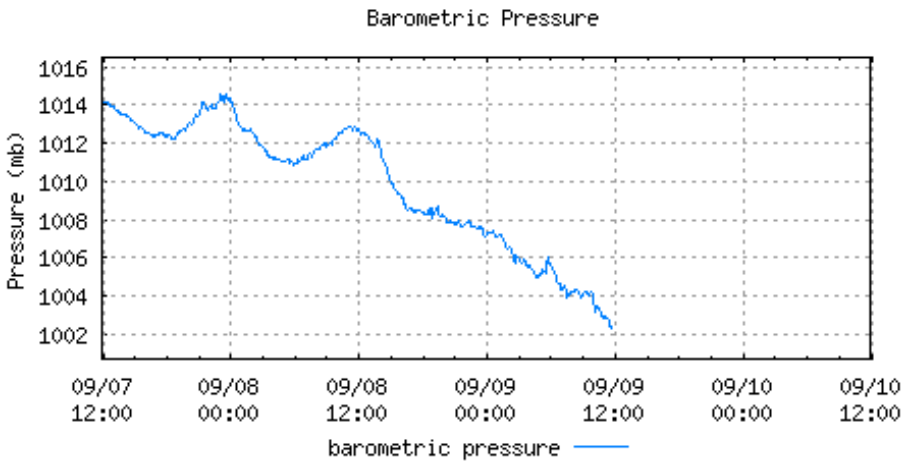
Last Observed Sample: 09/09/2017 11:54 (EDT). Data relative to MHHW
Observed: 0.83 ft. Predicted: -0.01 ft. Residual: 0.84 ft.
Historical Maximum Water Level: Oct 24 2005, 3.14 ft.
Next High Tide: 09/09/2017 12:53 (EDT), 0.09 ft.

NOAA/NOS/CO-OPS 8724580 Key West, FL



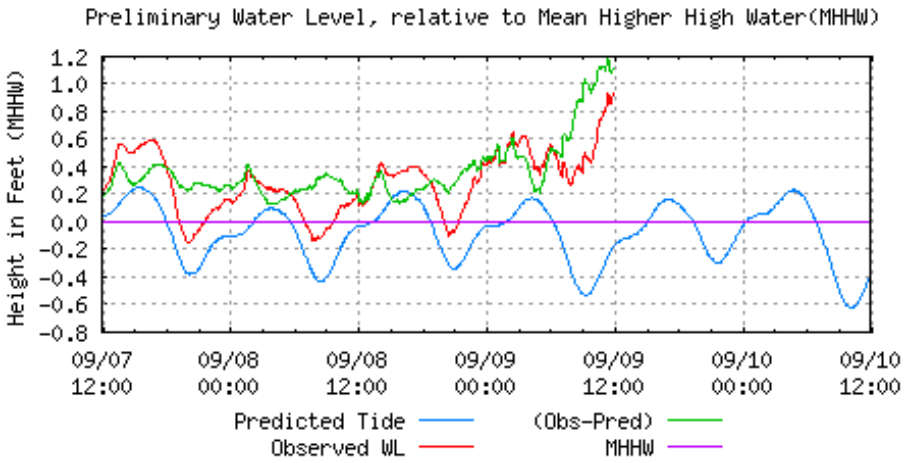
Last Observed Sample: 09/09/2017 11:54 (EDT)
Wind Speed: 19 knots Gusts: 26 knots Direction: 19° T

NOAA/NOS/CO-OPS 8724580 Key West, FL



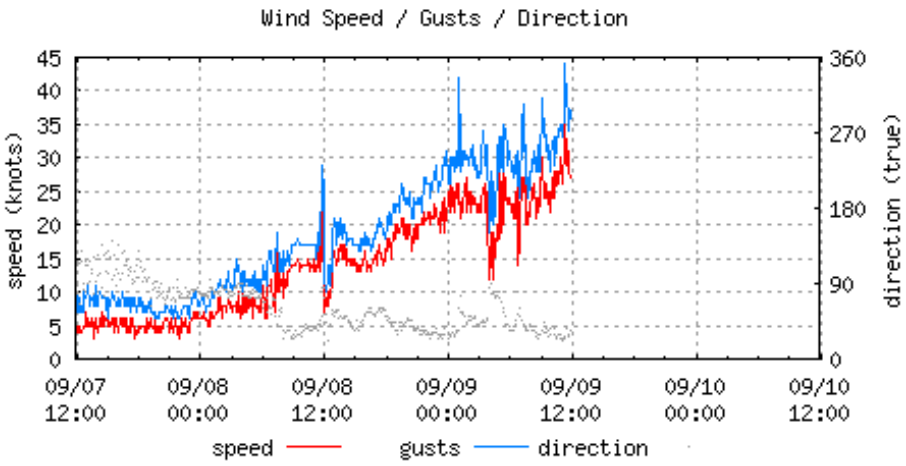
Last Observed Sample: 09/09/2017 11:54 (EDT)
Barometric Pressure: 1002.1 mb

NOAA/NOS/CO-OPS 8723970 Vaca Key, Florida Bay, FL



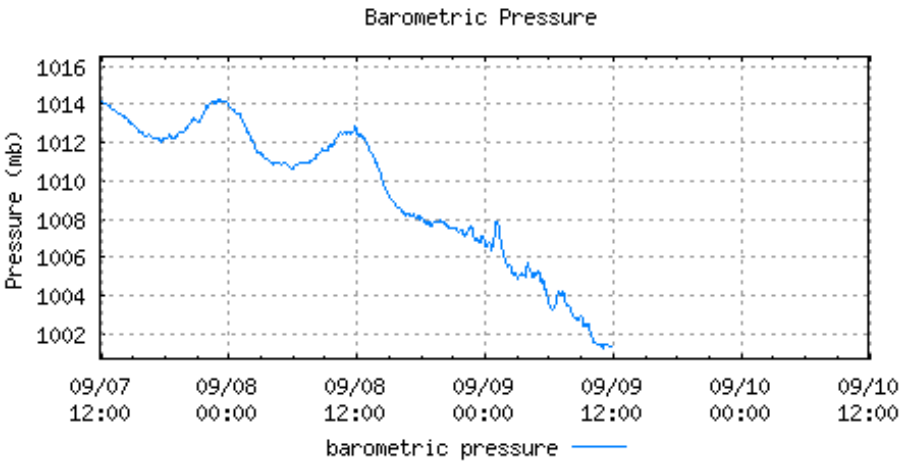
Last Observed Sample: 09/09/2017 11:54 (EDT). Data relative to MHHW
Observed: 0.97 ft. Predicted: -0.17 ft. Residual: 1.14 ft.
Historical Maximum Water Level: Oct 24 2005, 5.80 ft.
Next High Tide: 09/09/2017 17:00 (EDT), 0.16 ft.

NOAA/NOS/CO-OPS 8723970 Vaca Key, Florida Bay, FL



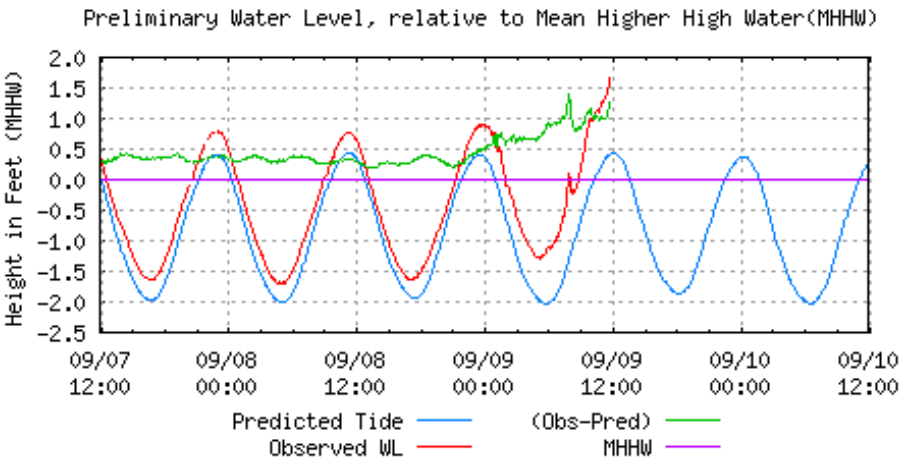
Last Observed Sample: 09/09/2017 11:54 (EDT)
Wind Speed: 30 knots Gusts: 38 knots Direction: 34° T

NOAA/NOS/CO-OPS 8723970 Vaca Key, Florida Bay, FL



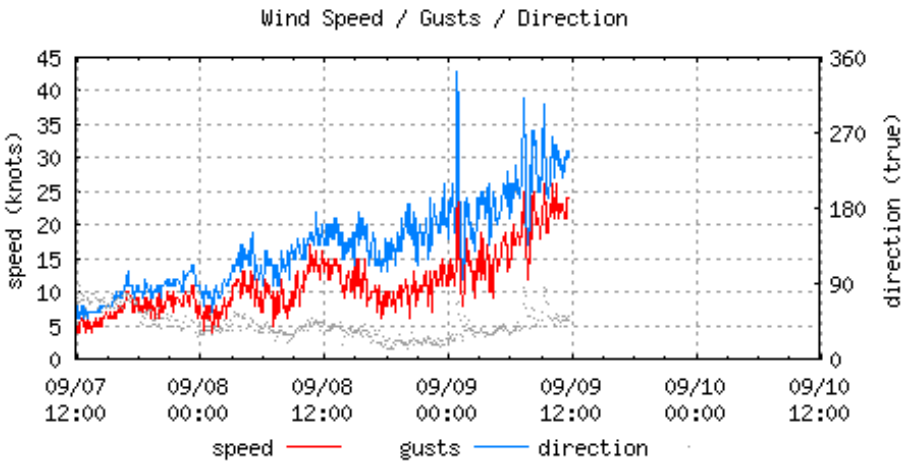
Last Observed Sample: 09/09/2017 11:54 (EDT)
Barometric Pressure: 1001.0 mb

NOAA/NOS/CO-OPS 8723214 Virginia Key, Biscayne Bay, FL



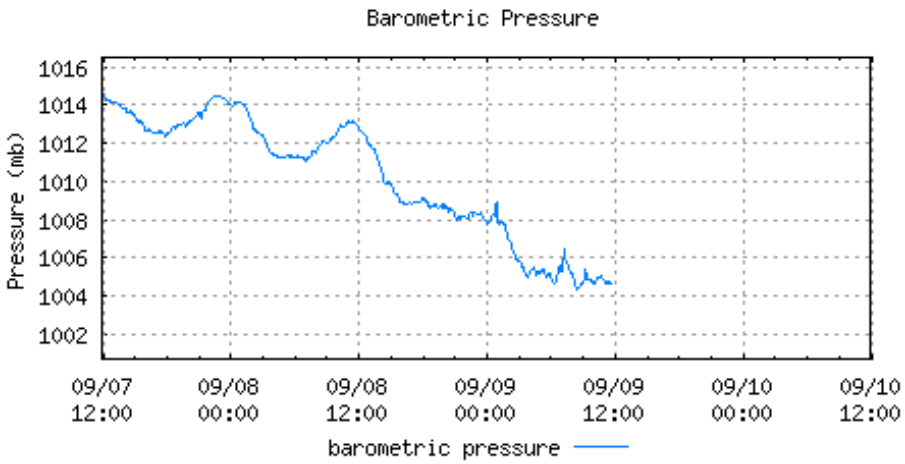
Last Observed Sample: 09/09/2017 11:48 (EDT). Data relative to MHHW
Observed: 1.73 ft. Predicted: 0.42 ft. Residual: 1.31 ft.
Historical Maximum Water Level: Oct 24 2005, 2.58 ft.
Next High Tide: 09/09/2017 12:01 (EDT), 0.43 ft.

NOAA/NOS/CO-OPS 8723214 Virginia Key, Biscayne Bay, FL



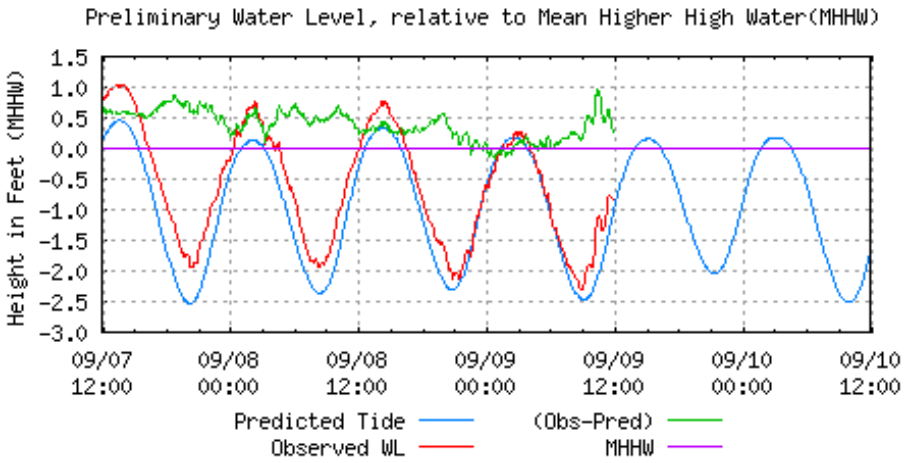
Last Observed Sample: 09/09/2017 11:48 (EDT)
Wind Speed: 24 knots Gusts: 32 knots Direction: 55° T

NOAA/NOS/CO-OPS 8723214 Virginia Key, Biscayne Bay, FL



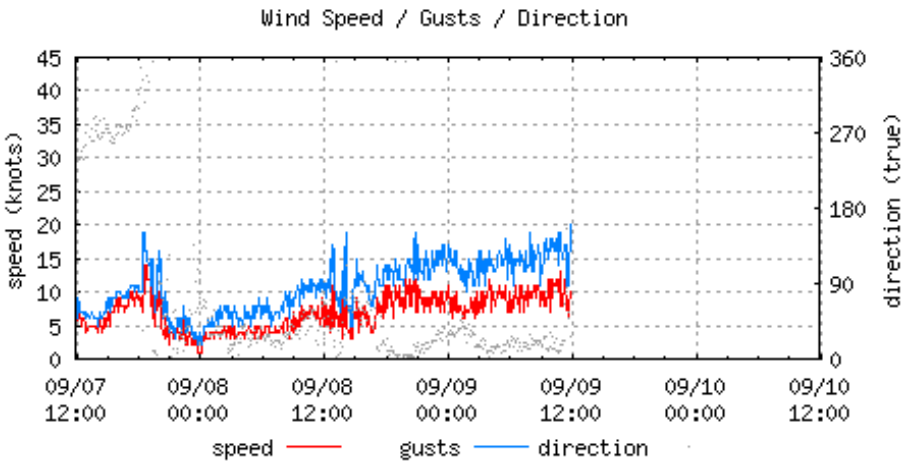
Last Observed Sample: 09/09/2017 11:48 (EDT)
Barometric Pressure: 1004.8 mb

NOAA/NOS/CO-OPS 8725110 Naples, Gulf of Mexico, FL



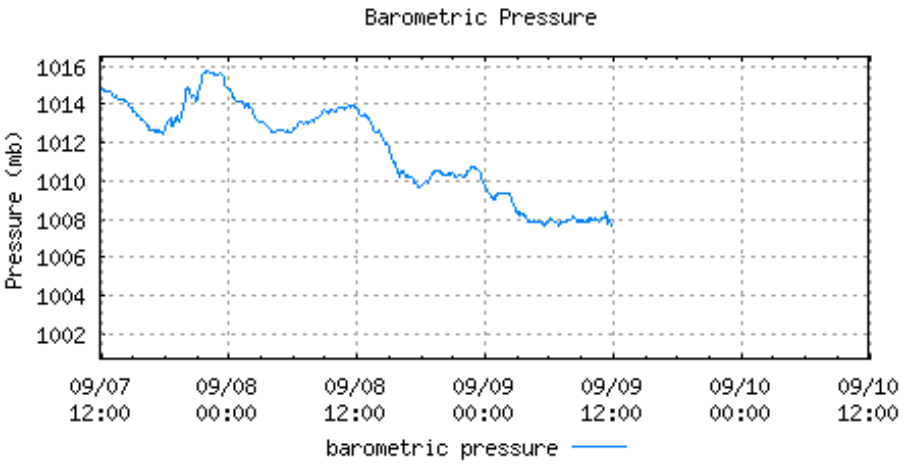
Last Observed Sample: 09/09/2017 11:54 (EDT). Data relative to MHHW
Observed: -0.89 ft. Predicted: -1.01 ft. Residual: 0.12 ft.
Historical Maximum Water Level: Dec 21 1972, 3.11 ft.
Next High Tide: 09/09/2017 15:05 (EDT), 0.15 ft.

NOAA/NOS/CO-OPS 8725110 Naples, Gulf of Mexico, FL



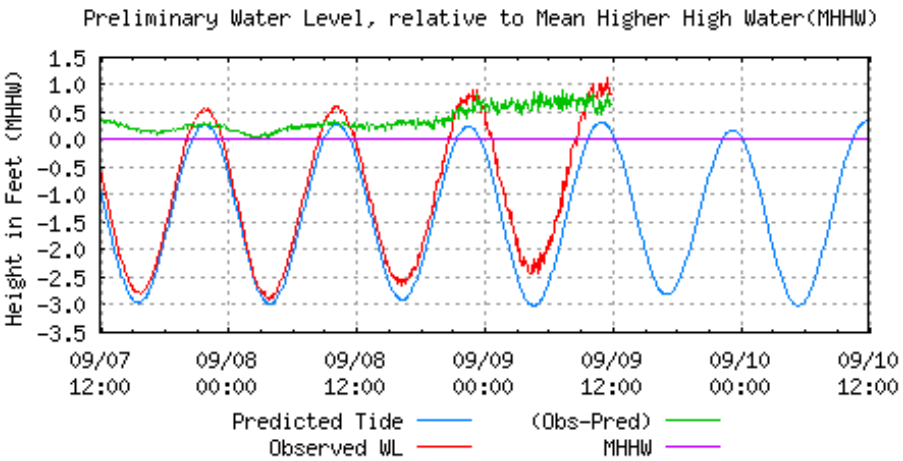
Last Observed Sample: 09/09/2017 11:54 (EDT)
Wind Speed: 10 knots Gusts: 18 knots Direction: 20° T

NOAA/NOS/CO-OPS 8725110 Naples, Gulf of Mexico, FL



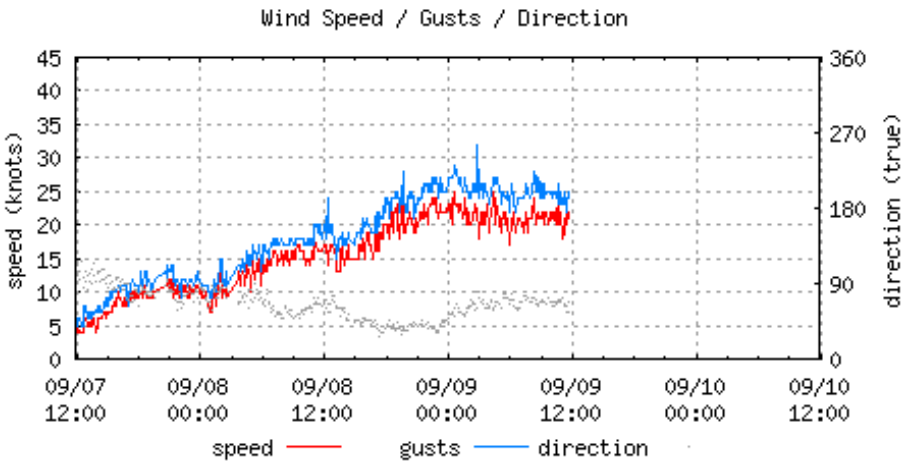
Last Observed Sample: 09/09/2017 11:54 (EDT)
Barometric Pressure: 1007.3 mb

NOAA/NOS/CO-OPS 8722670 Lake Worth Pier, Atlantic Ocean, FL



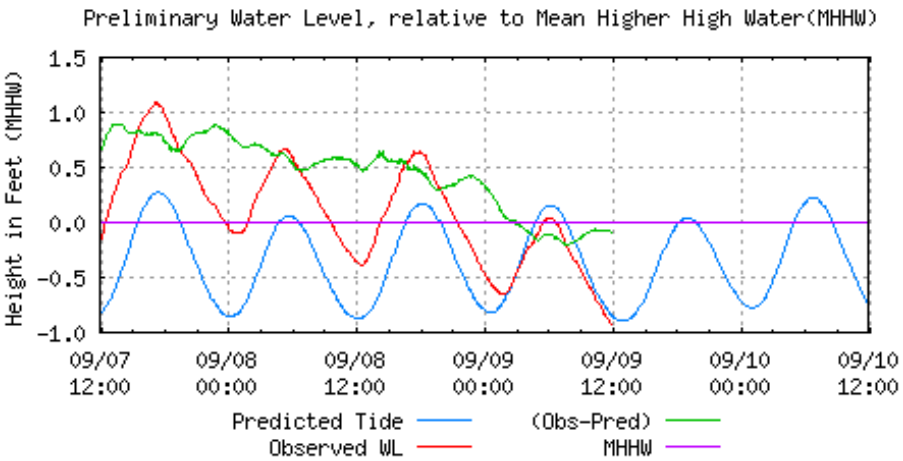
Last Observed Sample: 09/09/2017 11:54 (EDT). Data relative to MHHW
Observed: 0.93 ft. Predicted: 0.14 ft. Residual: 0.79 ft.
Historical Maximum Water Level: Oct 28 2012, 2.00 ft.
Next High Tide: 09/09/2017 23:11 (EDT), 0.18 ft.

NOAA/NOS/CO-OPS 8722670 Lake Worth Pier, Atlantic Ocean, FL



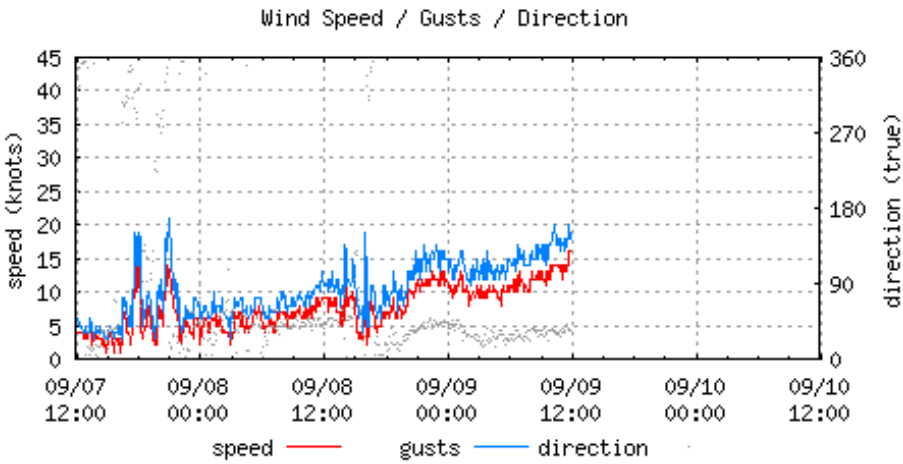
Last Observed Sample: 09/09/2017 11:54 (EDT)
Wind Speed: 21 knots Gusts: 25 knots Direction: 67° T

NOAA/NOS/CO-OPS 8725520 Fort Myers, Caloosahatchee River, FL



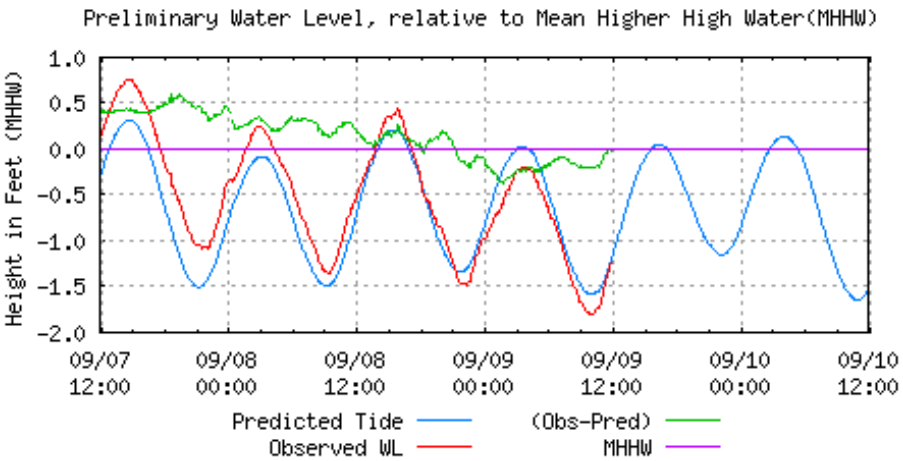
Last Observed Sample: 09/09/2017 11:54 (EDT). Data relative to MHHW
Observed: -0.95 ft. Predicted: -0.85 ft. Residual: -0.10 ft.
Historical Maximum Water Level: Nov 23 1988, 3.41 ft.
Next High Tide: 09/09/2017 18:57 (EDT), 0.04 ft.

NOAA/NOS/CO-OPS 8725520 Fort Myers, Caloosahatchee River, FL



Last Observed Sample: 09/09/2017 11:54 (EDT)
Wind Speed: 15 knots Gusts: 22 knots Direction: 32° T

NOAA/NOS/CO-OPS 8726384 Port Manatee, FL



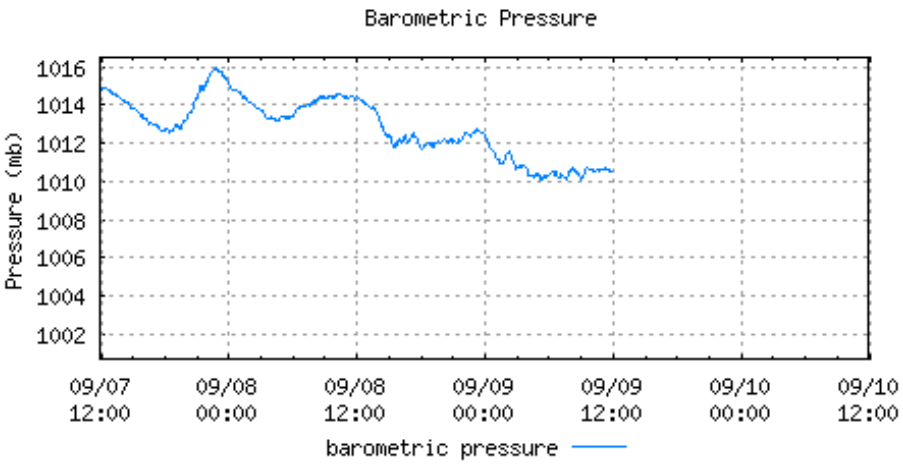
Last Observed Sample: 09/09/2017 11:54 (EDT). Data relative to MHHW

Observed: -1.21 ft. Predicted: -1.19 ft. Residual: -0.02 ft.

Historical Maximum Water Level: Sep 6 2004, 2.29 ft.

Next High Tide: 09/09/2017 16:18 (EDT), 0.05 ft.

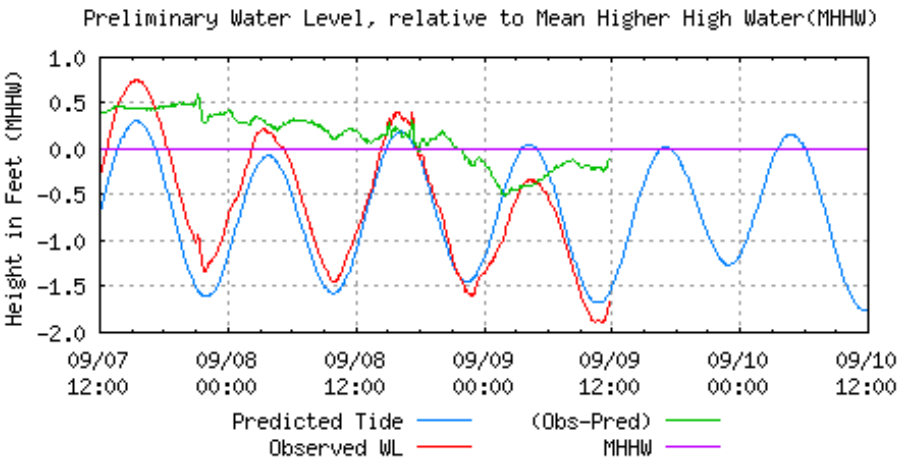
NOAA/NOS/CO-OPS 8726384 Port Manatee, FL



Last Observed Sample: 09/09/2017 11:54 (EDT)

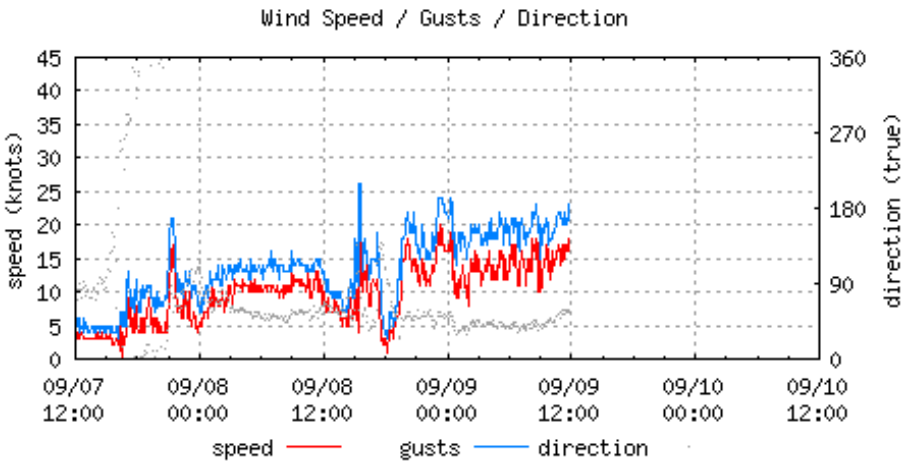
Barometric Pressure: 1010.4 mb

NOAA/NOS/CO-OPS 8726520 St Petersburg, Tampa Bay, FL



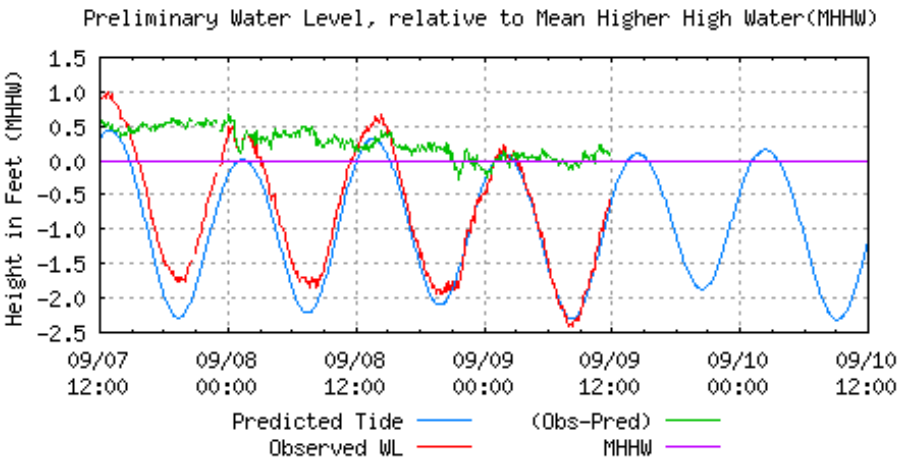
Last Observed Sample: 09/09/2017 11:48 (EDT). Data relative to MHHW
Observed: -1.67 ft. Predicted: -1.55 ft. Residual: -0.12 ft.
Historical Maximum Water Level: Aug 31 1985, 4.00 ft.
Next High Tide: 09/09/2017 17:03 (EDT), 0.02 ft.

NOAA/NOS/CO-OPS 8726520 St Petersburg, Tampa Bay, FL



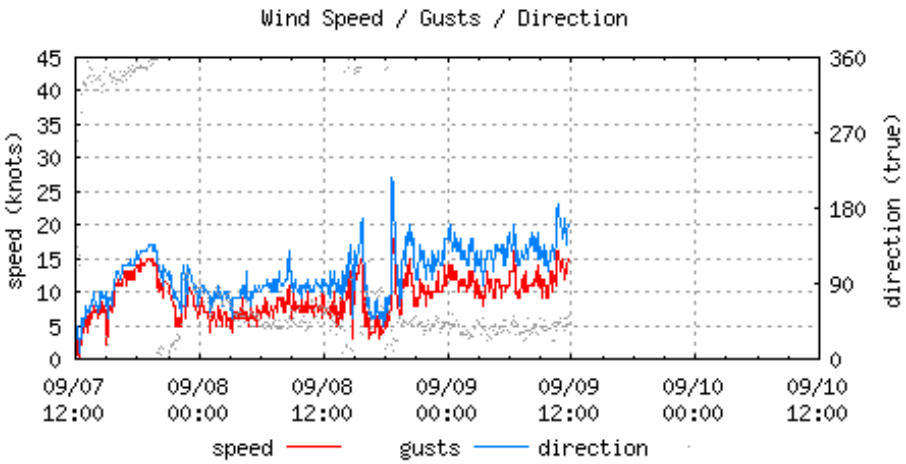
Last Observed Sample: 09/09/2017 11:48 (EDT)
Wind Speed: 18 knots Gusts: 23 knots Direction: 56° T

NOAA/NOS/CO-OPS 8726724 Clearwater Beach, FL



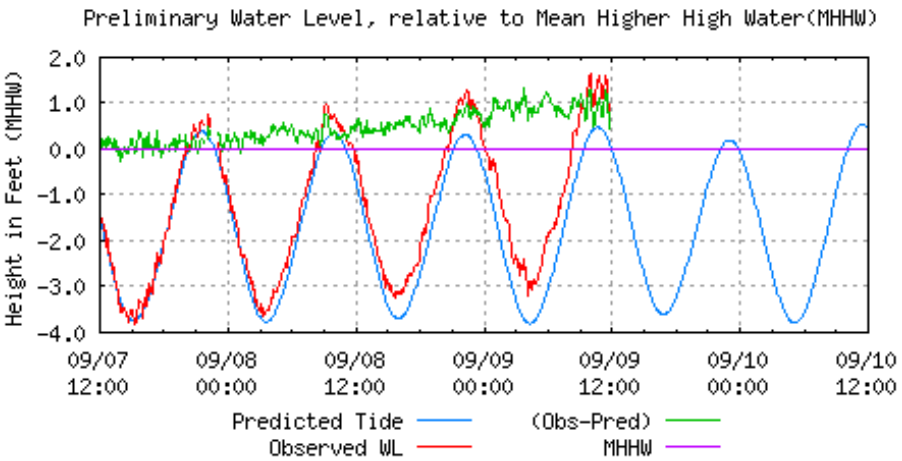
Last Observed Sample: 09/09/2017 11:48 (EDT). Data relative to MHHW
Observed: -0.57 ft. Predicted: -0.68 ft. Residual: 0.11 ft.
Historical Maximum Water Level: Mar 13 1993, 4.00 ft.
Next High Tide: 09/09/2017 14:22 (EDT), 0.10 ft.

NOAA/NOS/CO-OPS 8726724 Clearwater Beach, FL



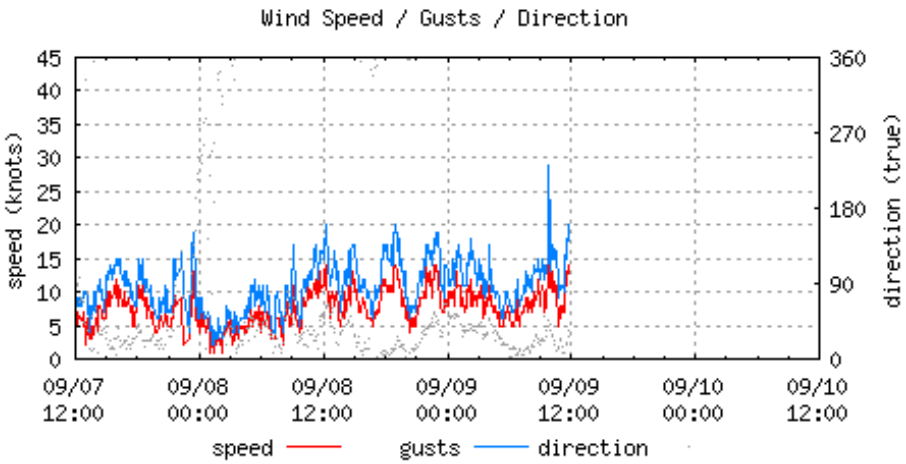
Last Observed Sample: 09/09/2017 11:48 (EDT)
Wind Speed: 15 knots Gusts: 20 knots Direction: 41° T

NOAA/NOS/CO-OPS 8721604 Trident Pier, Port Canaveral, FL



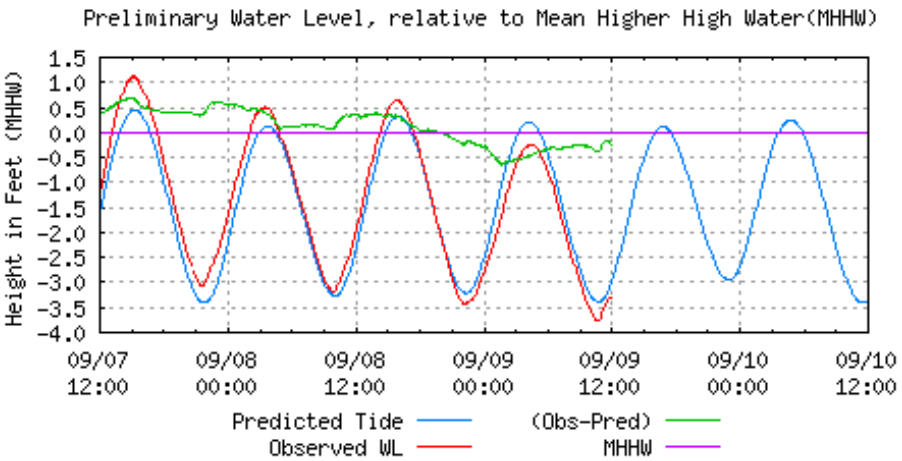
Last Observed Sample: 09/09/2017 11:54 (EDT). Data relative to MHHW
Observed: 0.84 ft. Predicted: 0.05 ft. Residual: 0.79 ft.
Historical Maximum Water Level: Sep 26 2004, 4.01 ft.
Next High Tide: 09/09/2017 22:58 (EDT), 0.19 ft.

NOAA/NOS/CO-OPS 8721604 Trident Pier, Port Canaveral, FL



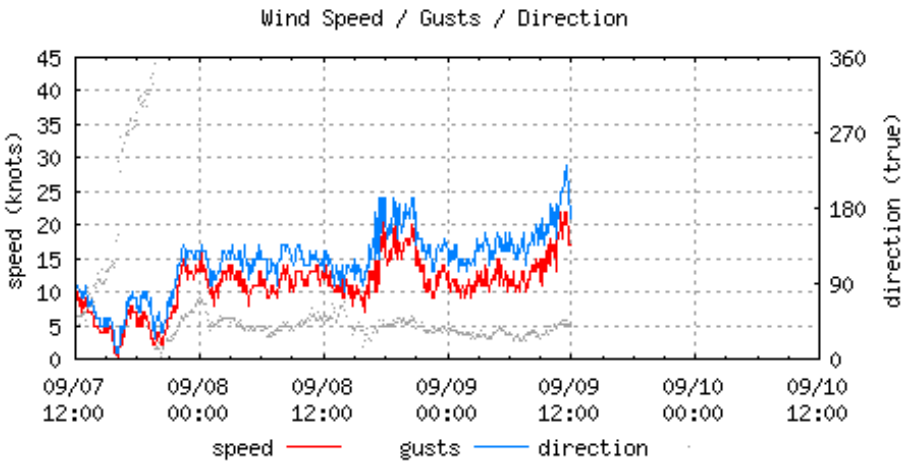
Last Observed Sample: 09/09/2017 11:54 (EDT)
Wind Speed: 15 knots Gusts: 24 knots Direction: 15° T

NOAA/NOS/CO-OPS 8727520 Cedar Key, FL



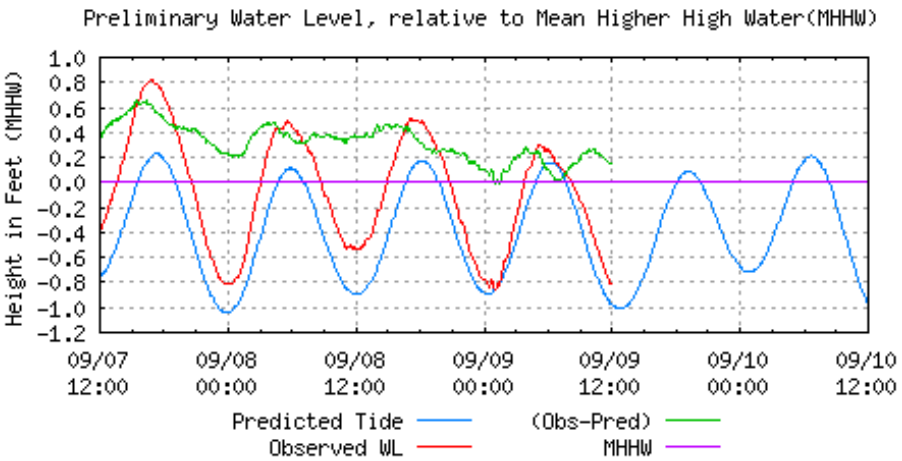
Last Observed Sample: 09/09/2017 11:54 (EDT). Data relative to MHHW
Observed: -3.29 ft. Predicted: -3.03 ft. Residual: -0.26 ft.
Historical Maximum Water Level: Oct 7 1996, 5.15 ft.
Next High Tide: 09/09/2017 16:45 (EDT), 0.12 ft.

NOAA/NOS/CO-OPS 8727520 Cedar Key, FL



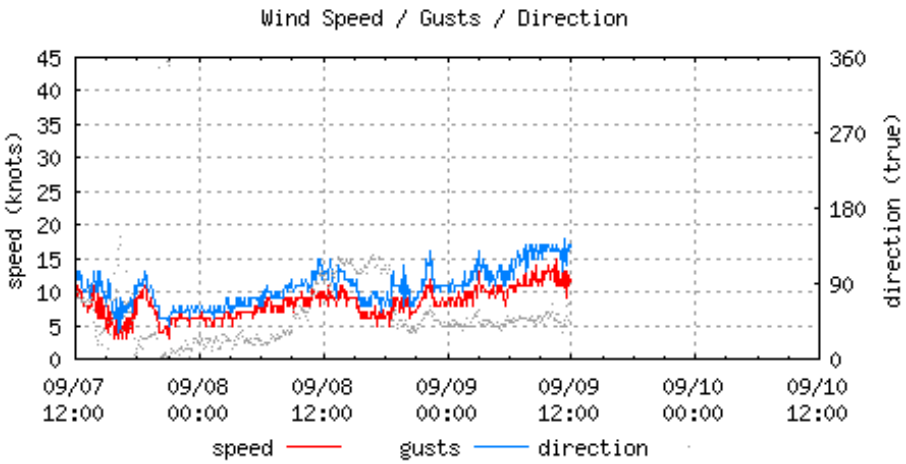
Last Observed Sample: 09/09/2017 11:54 (EDT)
Wind Speed: 17 knots Gusts: 21 knots Direction: 40° T

NOAA/NOS/CO-OPS 8728690 Apalachicola, FL



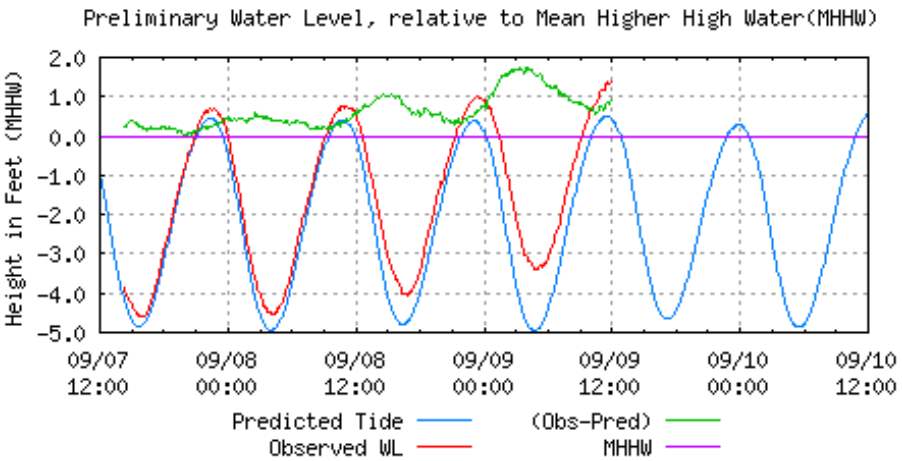
Last Observed Sample: 09/09/2017 11:54 (EDT). Data relative to MHHW
Observed: -0.81 ft. Predicted: -0.97 ft. Residual: 0.16 ft.
Historical Maximum Water Level: Jul 10 2005, 6.43 ft.
Next High Tide: 09/09/2017 19:09 (EDT), 0.09 ft.

NOAA/NOS/CO-OPS 8728690 Apalachicola, FL



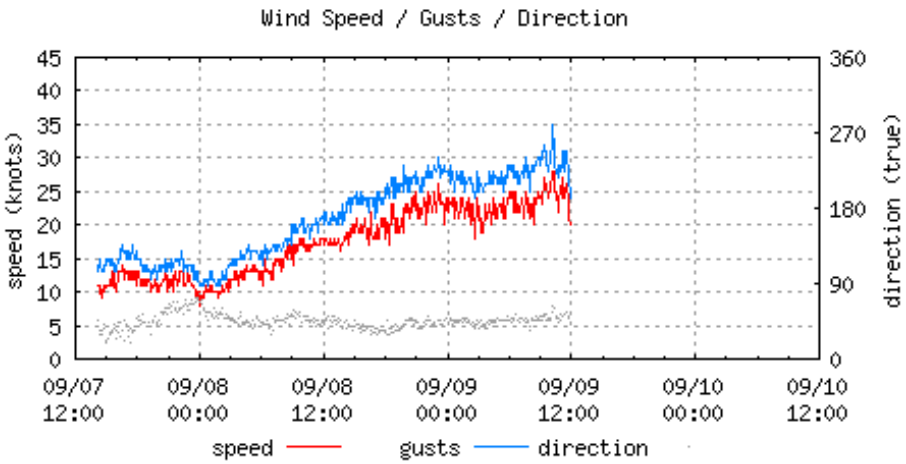
Last Observed Sample: 09/09/2017 11:54 (EDT)
Wind Speed: 12 knots Gusts: 17 knots Direction: 41° T

NOAA/NOS/CO-OPS 8720218 Mayport (Bar Pilots Dock), FL



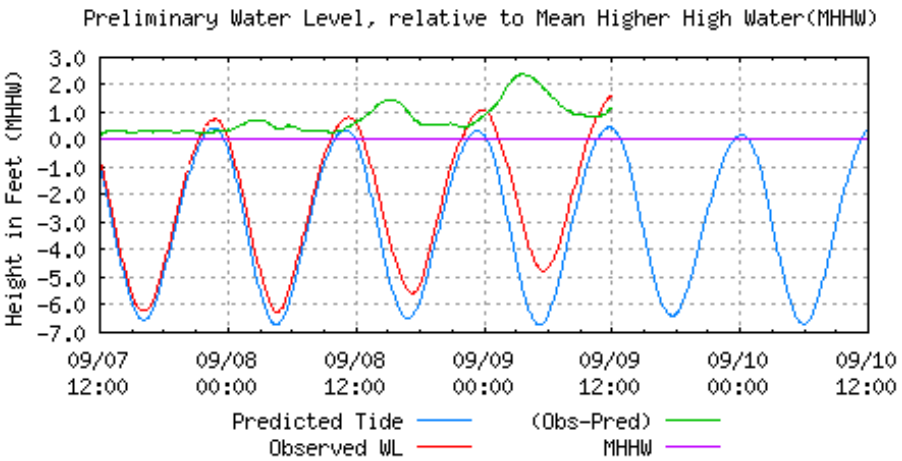
Last Observed Sample: 09/09/2017 11:54 (EDT). Data relative to MHHW
Observed: 1.36 ft. Predicted: 0.47 ft. Residual: 0.89 ft.
Historical Maximum Water Level: Oct 7 2016, 3.22 ft.
Next High Tide: 09/09/2017 23:50 (EDT), 0.29 ft.

NOAA/NOS/CO-OPS 8720218 Mayport (Bar Pilots Dock), FL



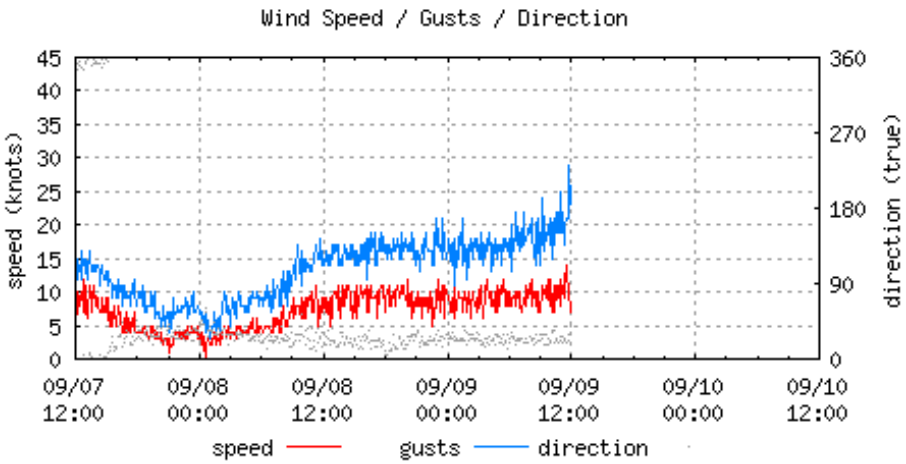
Last Observed Sample: 09/09/2017 11:54 (EDT)
Wind Speed: 20 knots Gusts: 24 knots Direction: 55° T

NOAA/NOS/CO-OPS 8720030 Fernandina Beach, FL



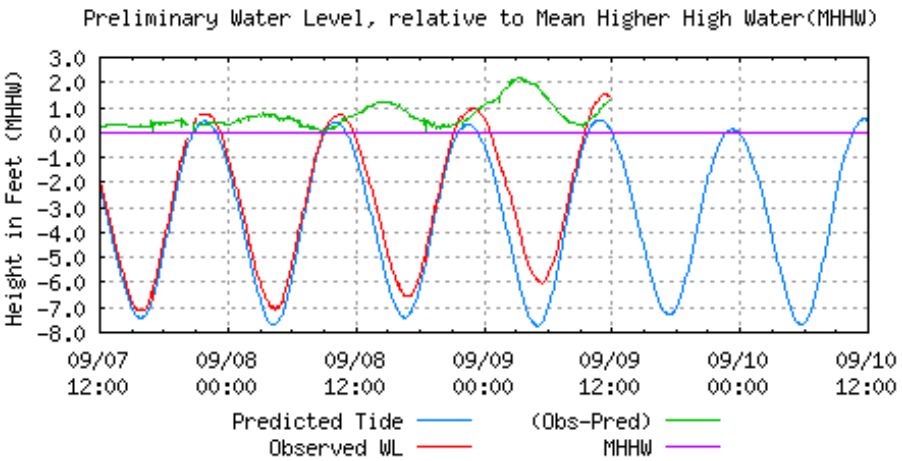
Last Observed Sample: 09/09/2017 11:54 (EDT). Data relative to MHHW
Observed: 1.62 ft. Predicted: 0.45 ft. Residual: 1.17 ft.
Historical Maximum Water Level: Oct 2 1898, 6.94 ft.
Next High Tide: 09/10/2017 00:08 (EDT), 0.18 ft.

NOAA/NOS/CO-OPS 8720030 Fernandina Beach, FL



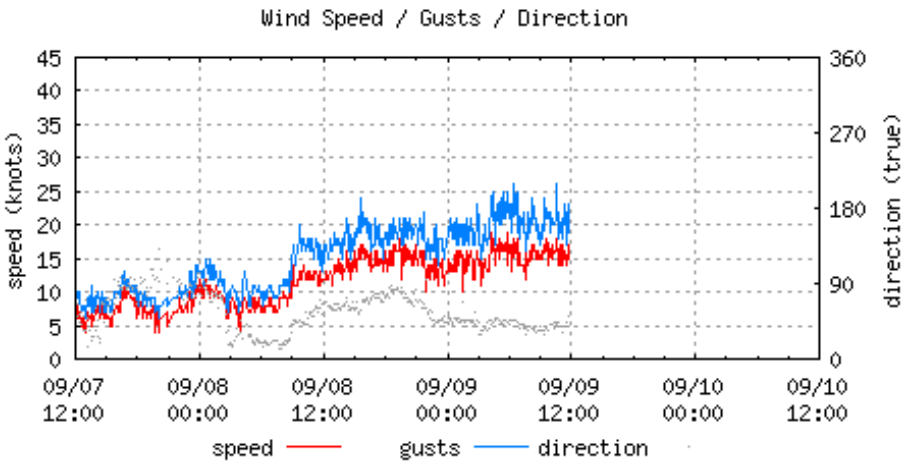
Last Observed Sample: 09/09/2017 11:54 (EDT)
Wind Speed: 7 knots Gusts: 23 knots Direction: 40° T

NOAA/NOS/CO-OPS 8670870 Fort Pulaski, GA



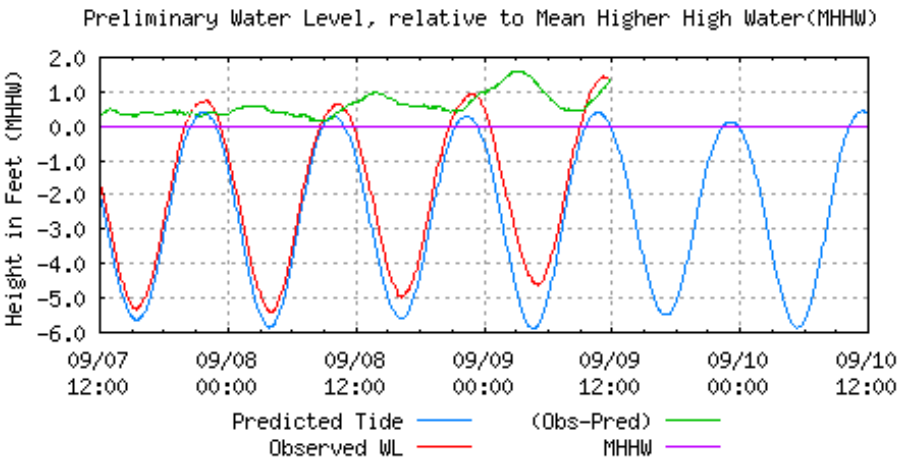
Last Observed Sample: 09/09/2017 11:48 (EDT). Data relative to MHHW
Observed: 1.45 ft. Predicted: 0.13 ft. Residual: 1.32 ft.
Historical Maximum Water Level: Oct 15 1947, 3.40 ft.
Next High Tide: 09/09/2017 23:16 (EDT), 0.11 ft.

NOAA/NOS/CO-OPS 8670870 Fort Pulaski, GA



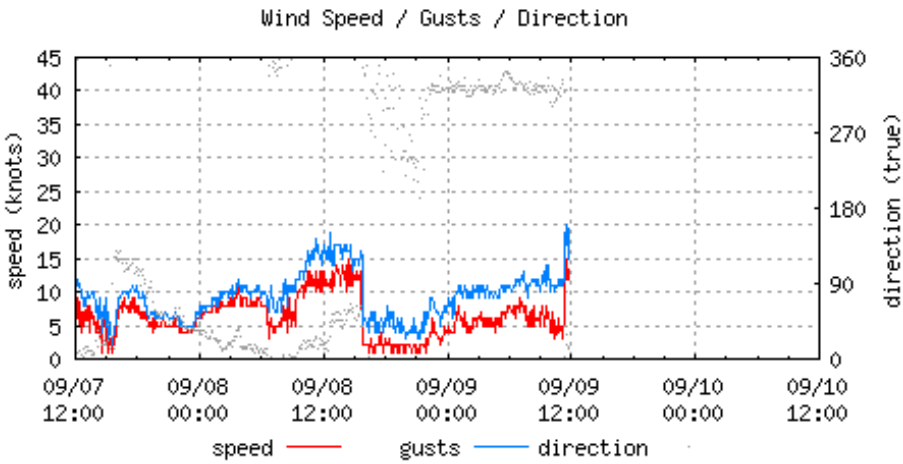
Last Observed Sample: 09/09/2017 11:48 (EDT)
Wind Speed: 15 knots Gusts: 19 knots Direction: 51° T

NOAA/NOS/CO-OPS 8665530 Charleston, Cooper River Entrance, SC



Last Observed Sample: 09/09/2017 11:54 (EDT). Data relative to MHHW
Observed: 1.30 ft. Predicted: -0.04 ft. Residual: 1.34 ft.
Historical Maximum Water Level: Sep 21 1989, 6.76 ft.
Next High Tide: 09/09/2017 23:06 (EDT), 0.12 ft.

NOAA/NOS/CO-OPS 8665530 Charleston, Cooper River Entrance, SC



Last Observed Sample: 09/09/2017 11:54 (EDT)
Wind Speed: 15 knots Gusts: 20 knots Direction: 19° T

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
8724580	Key West, FL	09/09/2017 11:54 (EDT)	0.83 ft	-0.01 ft	0.84 ft	0.83 ft
8723970	Vaca Key, Florida Bay, FL	09/09/2017 11:54 (EDT)	0.97 ft	-0.17 ft	1.14 ft	0.97 ft
8723214	Virginia Key, Biscayne Bay, FL	09/09/2017 11:48 (EDT)	1.73 ft	0.42 ft	1.31 ft	1.73 ft
8725110	Naples, Gulf of Mexico, FL	09/09/2017 11:54 (EDT)	-0.89 ft	-1.01 ft	0.12 ft	0.76 ft
8722670	Lake Worth Pier, Atlantic Ocean, FL	09/09/2017 11:54 (EDT)	0.93 ft	0.14 ft	0.79 ft	1.13 ft
8725520	Fort Myers, Caloosahatchee River, FL	09/09/2017 11:54 (EDT)	-0.95 ft	-0.85 ft	-0.10 ft	0.64 ft
8726384	Port Manatee, FL	09/09/2017 11:54 (EDT)	-1.21 ft	-1.19 ft	-0.02 ft	0.46 ft
8726520	St Petersburg, Tampa Bay, FL	09/09/2017 11:48 (EDT)	-1.67 ft	-1.55 ft	-0.12 ft	0.40 ft
8726724	Clearwater Beach, FL	09/09/2017 11:48 (EDT)	-0.57 ft	-0.68 ft	0.11 ft	0.67 ft
8721604	Trident Pier, Port Canaveral, FL	09/09/2017 11:54 (EDT)	0.84 ft	0.05 ft	0.79 ft	1.66 ft
8727520	Cedar Key, FL	09/09/2017 11:54 (EDT)	-3.29 ft	-3.03 ft	-0.26 ft	0.65 ft
8728690	Apalachicola, FL	09/09/2017 11:54 (EDT)	-0.81 ft	-0.97 ft	0.16 ft	0.51 ft
8720218	Mayport (Bar Pilots Dock), FL	09/09/2017 11:54 (EDT)	1.36 ft	0.47 ft	0.89 ft	1.37 ft
8720030	Fernandina Beach, FL	09/09/2017 11:54 (EDT)	1.62 ft	0.45 ft	1.17 ft	1.62 ft
8670870	Fort Pulaski, GA	09/09/2017 11:48 (EDT)	1.45 ft	0.13 ft	1.32 ft	1.55 ft
8665530	Charleston, Cooper River Entrance, SC	09/09/2017 11:54 (EDT)	1.30 ft	-0.04 ft	1.34 ft	1.47 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce